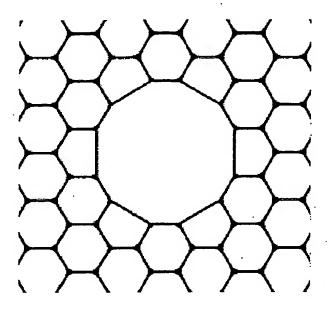
10/550095



## Figure 1

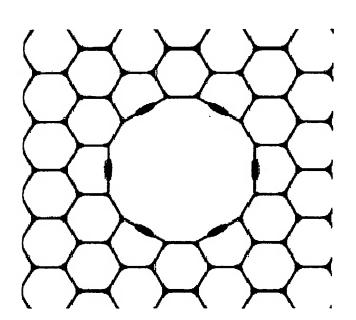


Figure 2

APPLN. FILING DATE: SEPTEMBER 21, 2005
TITLE: PHOTOTONIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT CORE
BOUNDARY
INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL.
ATTY. DKT. No.: 034279-010 SHEET 2 OF 15

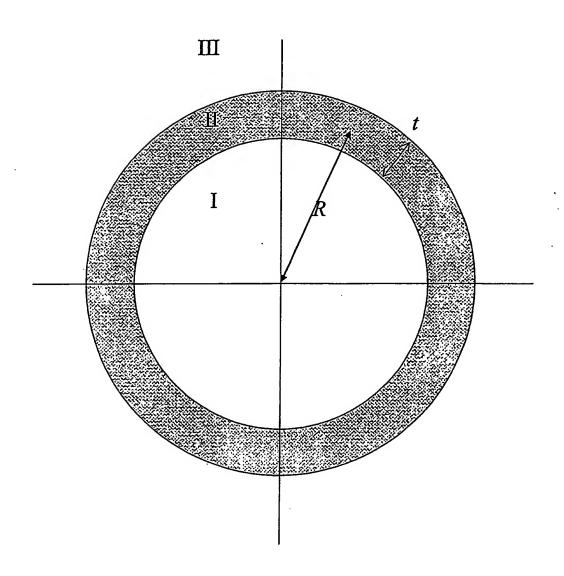
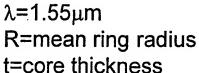
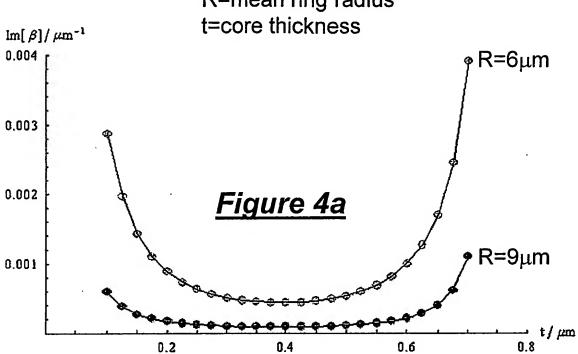
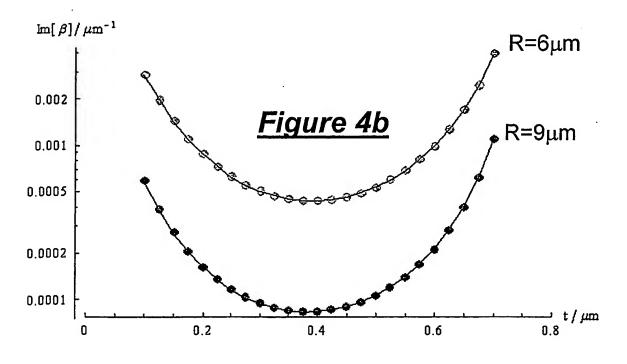


Figure 3

INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL.
ATTY. DKT. No.: 034279-010 SHEET 3 OF 15





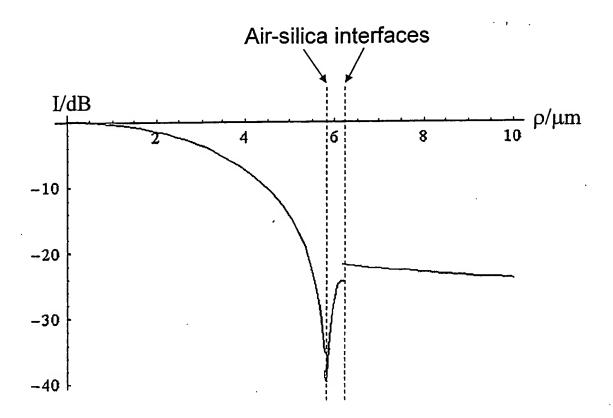


APPLN. FILING DATE: SEPTEMBER 21, 2005 TITLE: PHOTOTONIC BANDGAP OPTICAL WAVEGUDE WITH ANTI-RESONANT CORE

**BOUNDARY** 

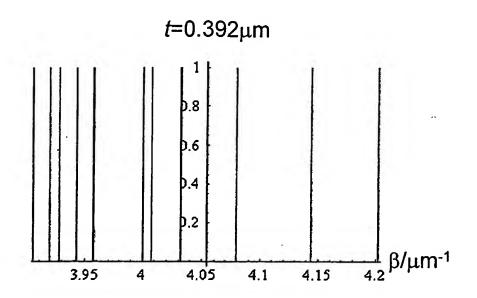
INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL. ATTY. DKT. No.: 034279-010 SHEET 4

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<u>Figure 5</u>

APPLN. FILING DATE: SEPTEMBER 21, 2005
TITLE: PHOTOTONIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT CORE
BOUNDARY
INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL.
ATTY. DKT. No.: 034279-010 SHEET 5 OF 15



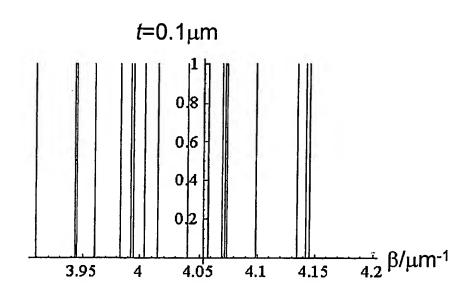


Figure 6

APPLN. FILING DATE: SEPTEMBER 21, 2005
TITLE: PHOTOTONIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT CORE
BOUNDARY

INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL. ATTY. DKT. No.: 034279-010 SHEET 6 OF 15

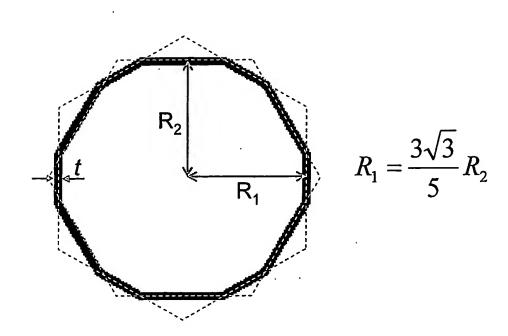


Figure 7

APPLN. FILING DATE: SEPTEMBER 21, 2005
TITLE: PHOTOTONIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT CORE
BOUNDARY

INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL. ATTY. DKT. No.: 034279-010 SHEET 7 OF 15

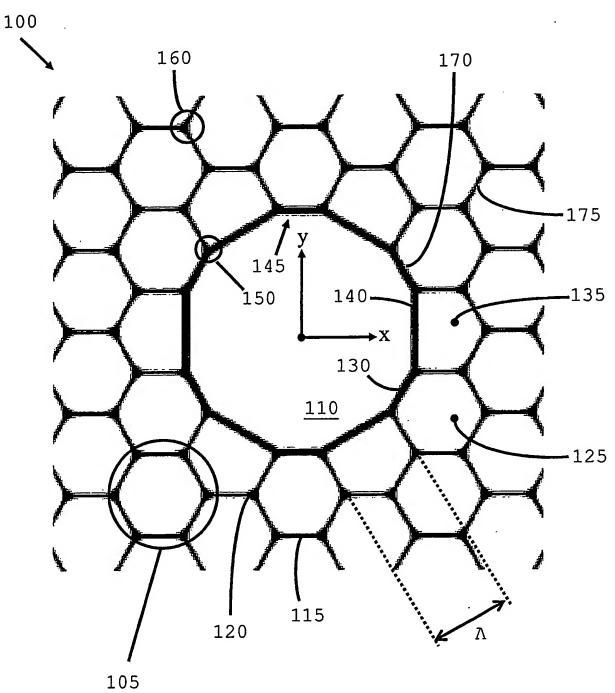


Figure 8a

10/550095

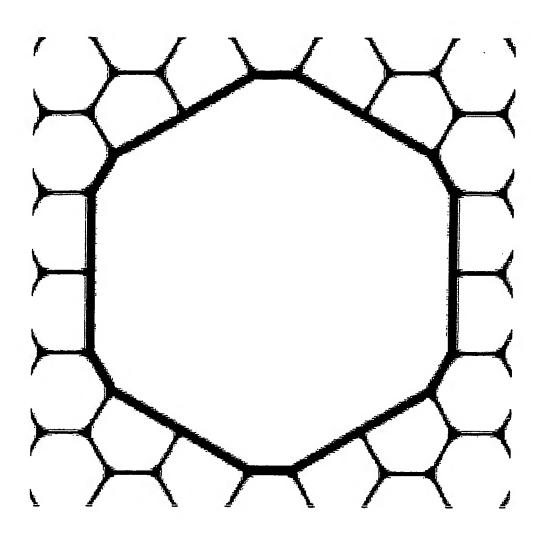
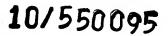


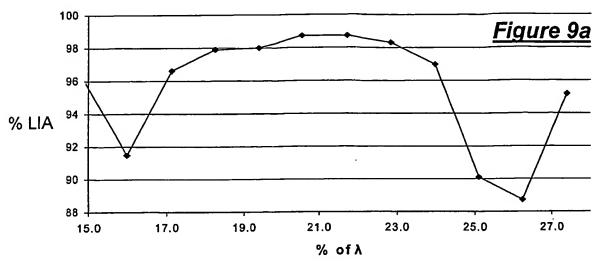
Figure 8b

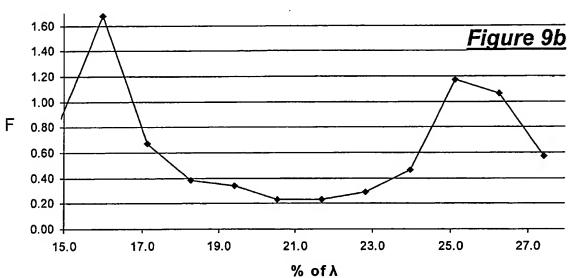
APPLN. FILING DATE: SEPTEMBER 21, 2005 TITLE: PHOTOTONIC BANDGAP OPTICAL WAVEGUIDE WITH ANTI-RESONANT CORE

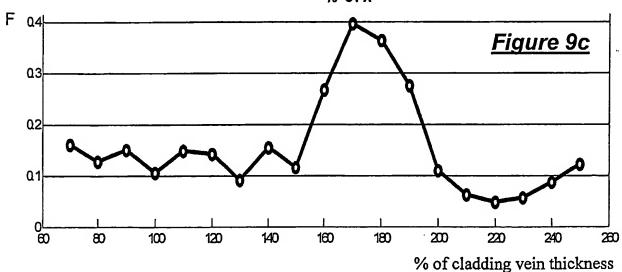
BOUNDARY

INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL. ATTY. DKT. No.: 034279-010 SHEET 9 SHEET 9 OF 15

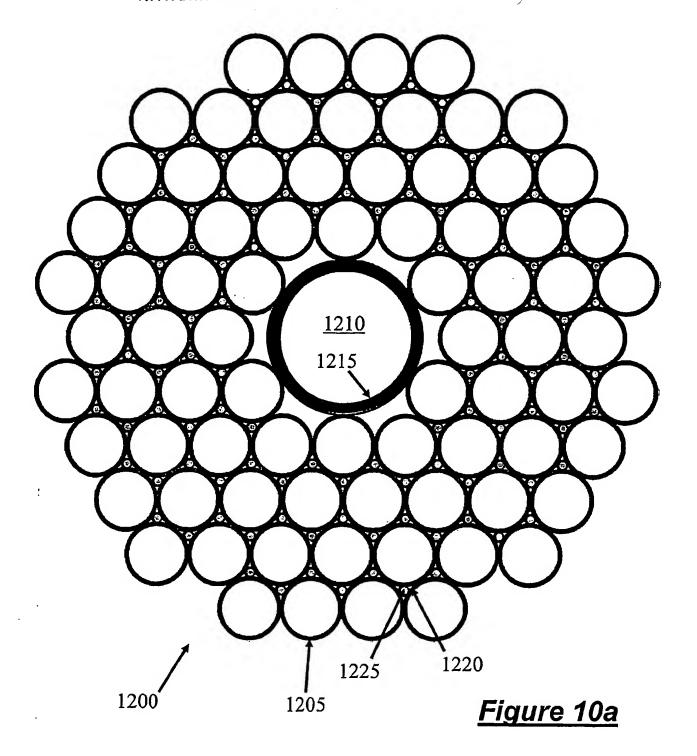








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TITLE: PHOTOTONIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT CORE
BOUNDARY
INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL.
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TITLE: PHOTOTONIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT CORE
BOUNDARY
INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL.
ATTY. DKT. No.: 034279-010 SHEET 11 OF 15

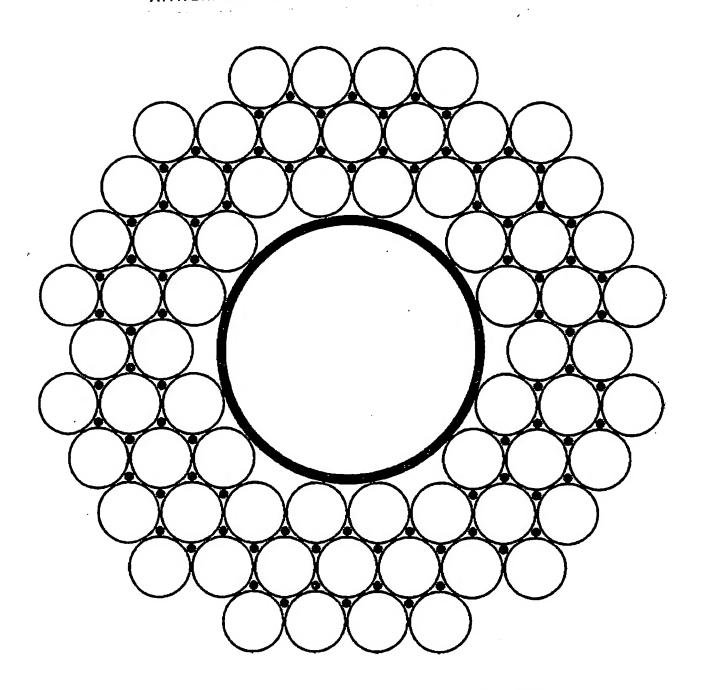


Figure 10b

APPLN. FILING DATE: SEPTEMBER 21, 2005
TITLE: PHOTOTONIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT COREBOUNDARY
INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL.
ATTY. DKT. No.: 034279-010 SHEET 12 OF 15

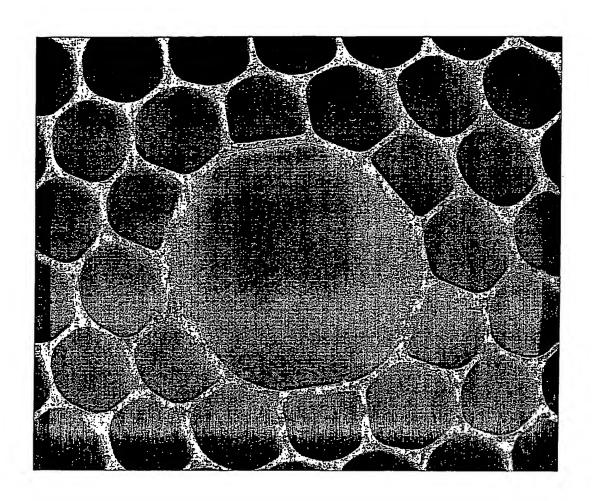
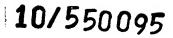


Figure 11a

APPLN. FILING DATE: SEPTEMBER 21, 2005
TITLE: PHOTOTONIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT CORE
BOUNDARY
INVENTOR(s): PHILIP ST. JOHN RUSSELL ET AL.
ATTY. DKT. No.: 034279-010 SHEET 13 OF 15



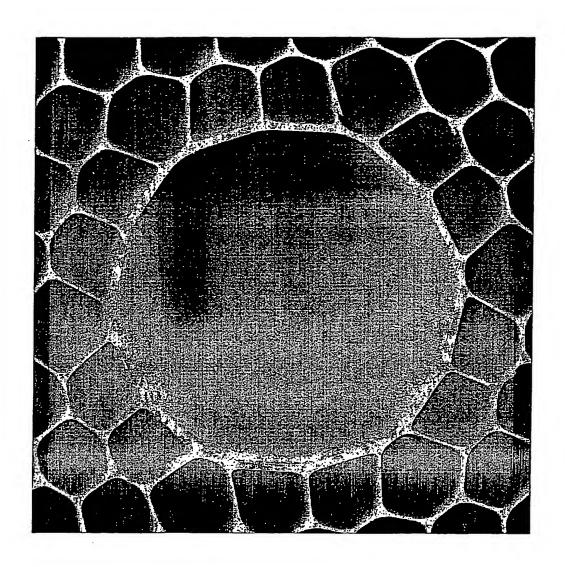


Figure 11b

APPLN. FILING DATE; SEPTEMBER 21, 2005 TITLE: PHOTOTONIC BANDGAP OPTICAL WAVEQUIDE WITH ANTI-RESONANT CORE

BOUNDARY
INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL.
ATTY. DKT. No.: 034279-010 SHEET 14 OF 15

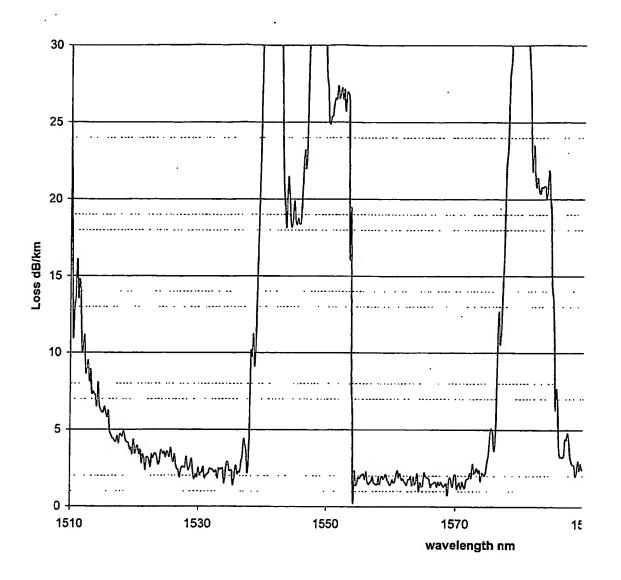


Figure 12

APPLN. FILING DATE: SEPTEMBER 21, 2005
TITLE: PHOTOTOMIC BANDGAP OPTICAL
WAVEGUIDE WITH ANTI-RESONANT CORE
BOUNDARY

INVENTOR(S): PHILIP ST. JOHN RUSSELL ET AL. ATTY. DKT. No.: 034279-010 SHEET 15

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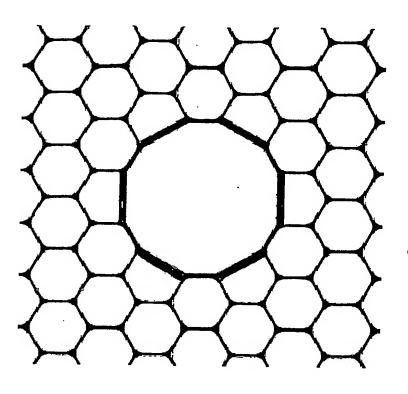
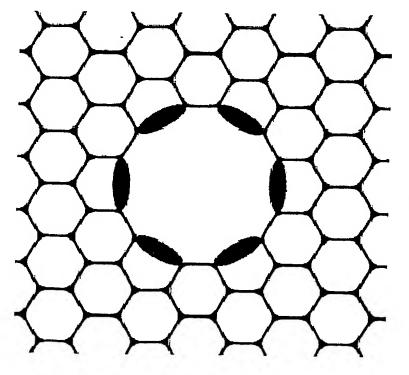


Figure 13



## Figure 14